

Neustadt analysis record

Sample	GC Results 1	GC-MS Results 1	$\delta^{13}\text{C}_{16:0}$	$\delta^{13}\text{C}_{18:0}$	GC Results 2	C/N	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	GC-MS Results 2
N1009i	FA + sterols	TMTD, phytanic, range odd, even, branched FAs (14-30), MUFA s (16-24)	-20.25	-21.06		N/A	N/A	N/A	series odd, even, branched FA s (7-30), MUFA s (14-26), C18:2, diacids (8-10), TMTD, trace phytanic acid, traces C18 alkylphenyls, HFA s (10-C16, 10-C18, 12-C20, 9,10-diC18, 11,12-diC18, 11,12-diC20), cholesterol and related compounds, traces MAG s and DAG s, glycerol,
N1009s	no fatty acids, traces of cholesterol and related compounds, ketones (31,33)	range odd, even, branched FA s (14-22), MUFA s (16-20), phytanic acid, C18 and small amounts C20 and traces C16 alkylphenyls.			N/A	15.52	-18.11	8.98	series odd, even, branched FA s (8-24), MUFA s (14-20), glycerol, HFA s and di HFA s (16?, 18), phytanic acid, C16, C18, C20 alkylphenyls, cholesterol and related compounds, dehydroabiatic acid
N1025i	FA(wide range) + sterols + wax	v low levels C16:0 and C18:0	too little lipid to measure		alcohols (C14 - C30), alkanes, sterols (incl. sitosterol)	N/A	N/A	N/A	

N1025s	moderate levels C16:0 and C18:0, low levels range odd, even, branched FA s (8-30), MUFA s (16-18), C18:2, diacids (3-9), cholesterol, β -sitosterol, squalene, benzene related compounds, pyrene related compounds, sugars, even long chain alcohols (20-26), alkanes (27 & 29, 29 dominant)	low levels C16:0 and C18:0 + traces odd, even, branched, FA s (14-28) - peak at C24:0, MUFA s (16-18), C18:2, low levels sterols + benzopyrene type compounds	too little lipid to measure	N/A	13.40	-26.46	10.00	
N1191i	no residue	low levels C16:0 and C18:0, traces longer chain FA s ()	-28.08	-33.09	N/A	N/A	N/A	
N1193f	high abundance C16:0, C18:0, C14:0, range odd, even, branched FA s (9-22), TMTD, phytanic acid, C18 alkylphenyls, range alkanes	phytanic acid, range odd, even & branched FA s (14-24), MUFA s (16-20?), traces of C18 alylphenyls, v small traces C20 (x2) and C16 (x1) alkylphenyls, alkanes (27-29, 29 dominant)	-19.91	-20.07	11.35	-21.49	11.10	

	(25-29) - C29 dominant, cholesterol, cholesterol related compounds							
N1193i	FA (+nonacosane)	range odd, even & branched acids (14-24), C18:1, v small peaks of C18 alylphenyl FA s	-19.30	-19.85	N/A	N/A	N/A	
N1317f	high abundance C16:0, C18:0, C14:0, range odd, even, branched FA s (5-26), MUFA s (16-24), C18:2, possible acylglycerols, high abundance glycerol, TMTD, phytanic acid, C18 alkylphenyls, trace one C20 alkylphenyl, diacids (4-11), cholesterol, possible sugar, C29 alkane,	range odd, even & branched FA s (14-26), MUFA s (18-24), v small peaks of C18 alylphenyl FA s + 1 trace C16 alkylphenyl	-28.41	-27.32	13.09	-23.71	8.14	

N1446i		high abundance C16:0 + C18:0, traces odd, even, branched FA s (14-26), MUFA s (16-18), traces sterol-like compounds	-29.81	-32.29	N/A	N/A	N/A	N/A	
N1456f		low levels C16 & C18, traces odd, even FA s (14-24), C18:1	N/A	N/A	N/A	9.15	-25.97	9.68	
N1456i		moderate abundance C16:0 + C18:0, traces odd, even, branched, oxo FA s (14-26), (16-18) + cholesterol & related compounds			N/A	N/A	N/A	N/A	
N1474i	range odd, even, branched FA s (12-28), C18:1, C18.2, cholesterol and related compounds, β -sitosterol, ketones (odd dominant, 29-35), MAG s (16, 18), DAG s (1,2-14-18, 1,3-14-18, 1,2-16,18, 1,3-16,18), dihydro-tetradecyl-	range odd + even acids (14-26), MUFA (18), all at quite low levels	N/A	N/A		N/A	N/A	N/A	

	furanone								
N16i		range odd, even, branched FA s(12-30), MUFA s FA s (16-21), 9 (+11) dioic, traces sterols	-26.5	-27.2	N/A	N/A	N/A	N/A	
N162i	FA + wax (low levels) + cholesterol	v low levels even FA s (16-30) + alkanes	too little lipid to measure			N/A	N/A	N/A	
N162s	low levels C16:0. C18:0, benzoic acid, unknown contaminant, glycerol, traces dehydroabiotic acid, range odd, even FA s (9-24)	v low levels odd + even FA s (14-30), MUFA s (16-18), cholesterol related compounds	too little lipid to measure		N/A	11.10	-25.39	10.18	
N167i	no residue	C16, C18, v low levels odd & even FA s (14-24). Still contains S.	N/A		N/A	N/A	N/A	N/A	

N1682i	range odd, even FA s (8-22), MUFA s (18), C18:2, diacids (4-10), cholesterol and related compounds, alkanes (27 & 29), trace C26 alcohol, MAG s (16 & 18)	range odd, even & branched acids (14-26), MUFA s (16-20), C18:2, phytanic acid	-23.62	-23.3	N/A	N/A	N/A	series odd, even, branched FA s (8-26), MUFA s (16-18), TMTD, phytanic acid, possible C18 alkylphenyls, HFA s (10-C16, 10-C18, 9,10-diC16, 9,10-diC18, 11,12-diC18, 11,12-diC20), cholesterol
N1682s	low levels C16:0, C18:0, traces odd, even, branched FA s (14-20), C18:1, C18:2, cholesterol	low levels C16 + C18, traces odd, even, branched (14-22), MUFA s (16-18), phytanic acid	too little lipid to measure	N/A	25.19	-22.81	10.99*	low abundances C16:0, C18:0, C14:0, traces of range odd, even, branched FA s (10-20), phytanic acid, traces C16?, C18 alkylphenyls, trace 9,10-diC18, trace cholesterol
N173i		high abundance C14, 16 & 18, lower abundances odd, even, branched, oxo FA s (11-30), MUFA s (16-24), trace 18:2, dioic (9-12), cholesterol + related compounds, ketones (31, 33)	-29.61	-33.23	N/A	N/A	N/A	
N1800i	no residue	low levels odd + even FA s (14-18), C18:1	N/A	N/A	N/A	N/A	N/A	
N1813e	no residue	Low levels odd + even FA s (14-26),	N/A	N/A	N/A	N/A	N/A	

		C18:1						
N1813i	no residue	Low levels odd + even FA s (14-26), C18:1, S still present	N/A	N/A	N/A	N/A	N/A	
N1910i		Even FA s (12-34), odd FA s (11-25), dioic (8-11), branched FA s, MUFA s (even 14-20), PUFA s (18-20), cholesterol related peaks, alkanes (27 and 29)	-28.84	-33.63	N/A	N/A	N/A	
N1919f	cholesterol, C29 alkane + traces series alkanes (23-33), traces C16:0, C18:0	v low levels C16:0 to C28:0	too little lipid to measure	N/A	9.87	-24.38	9.13	
N1919i	v low levels C16, C18 + cholesterol and related compounds, traces even long chain alcohols (24-28), alkane (unidentifiable)	v low levels FA s + cholesterol	-27.96	-28.07	N/A	N/A	N/A	
N2236e		C16, C18 + v low levels odd + even FA s (14-26) - slightly unusual distribution	N/A	N/A	N/A	N/A	N/A	
N2236i		identical in both surfaces	N/A	N/A	N/A	N/A	N/A	

N2285f		traces of C16, C18 and C18:1	-22.46	-22.22	19.00	-23.39	8.49*	series odd, even, branched FA s (8-26), MUFA s (16-20), diacids (3, 9,10), TMTD, phytanic acid, C18, C20? alkylphenyls, HFA s, cholesterol, β -sitosterol
N2285i	range odd, even, branched FA s (8-26). MUFA s (16-18), C18.2, diacids (4-12), TMTD, phytanic acid, C18 alkylphenyl, HFAs (9,10-diC18), cholesterol and related compounds, β -sitosterol, ketones (odd, 29-33)	range odd, even + branched FA s (12-24), US (16-18), diacids (9-10), phytanic acid, TMTD, 18 + 20(?) alkylphenyls	-21.41	-22.22	N/A	N/A	N/A	series odd, even, branched FA s (7-26), MUFA s (16, 18), diacids (5-10), TMTD, phytanic acid, C18 alkylphenyls, HFA s (10-C16, 10-C18, 9,10-diC18, 11,12-diC18, 11,12-diC20), cholesterol and related compounds
N2367i		high levels C16:0 and C18:0, traces of odd, even, branched FA s(12-24), C18:1, high levels phthalates, lindane	N/A	N/A	N/A	N/A	N/A	
N2452f		low levels C16 and C18, traces C17, C17 branched, even FA s (20-30)	N/A	N/A	8.00	-23.71	9.13	

N2452i		high levels C16 and C18, low levels odd, even, branched FA s (12-30), MUFA s (16-24), C18:2, TMTD, phytanic acid, C16, C18 and C20 alkylphenyls, phthalates	-27.1	-31.5	N/A	N/A	N/A	
N262f	low levels C16:0 and C18:0, traces C18:1, C18:2	no residue	too little lipid to measure	N/A	7.13	-27.80	7.43	
N262i	no residue	C16 + C18 + v low levels odd + even, branched FA s (14-26), C18:1, series alkanes (17-21), cholesterol related peak	-31.71	-35.87	N/A	N/A	N/A	
N2648f	low levels C16:0, C18:0, traces range odd, even, branched FA s(12-26), MUFA s (16-20), C18:2, diacids (4-11), 16-1 MAG, glycerol, phytanic acid, C18 alkylphenyl, cholesterol and related compounds,	v low levels C14:0 to C24:0	-30.46	-34.37	7.17	-29.82	9.67	

	sugars							
N2648i	FA + sterols	large C16 + C18, range odd, even, branched FA s (12-30), MUFA s (16-24), PUFA (18), TMTD, phytanic acid, C18 alkylphenyls, cholesterol + products	-25.08	-25.19	N/A	N/A	N/A	
N2756f	low levels C16, C18, traces series odd, even, branched FA s (12-26), MUFA s (16-22), diacids (4-11), TMTD, phytanic acid, C18 and C20 alkyphenyls, cholesterol and related compounds, sugars, series alkanes (25-35) (no odd over	low levels C16 & C18, traces odd, even, branched FA s (16-28), MUFA s (16-20), phytanic acid, traces possible C18 alkylphenyls	too little lipid to measure	N/A	10.07	-24.04	11.08	

	even preference), C26 long chain alcohol							
N2756i	range odd, even FA s (10-22), MUFA s (18-22), cholesterol and related compounds, alkanes (27 & 29), trace C26 alcohol, C16 DAGs	Range odd, even + branched FA s (12-28), MUFA s (16-24), C29 alkane	-31.89	-36.03	N/A	N/A	N/A	
N2772f		no residue	too little lipid to measure	N/A	8.60	-27.72	8.10	
N2772i	low levels C16 + C18	low levels C16 + C18	-29.16	-31.72	N/A	N/A	N/A	
N2860f		C16 and C18, traces odd, even, branched FA s (14-24), MUFA s (16-18), TMTD, phytanic acid, C18 and C20 alkylphenyls, phthalates	-35.6	-33.8	9.20	-28.63	9.80	

N2860i		low levels C16 and C18, traces C14, C17, C18:1, phthalates	too little lipid to measure	N/A	N/A	N/A	N/A	
N3020f	no residue	traces C16 + C18	too little lipid to measure	N/A	15.37	-24.67	11.89	
N3020i	low levels FA (+nonacosane) + phytanic acid	low levels C16 + C18 + v low levels odd, even, branched FA s (16-24), C18:1, phytanic acid, alkanes (27-29)	-28.31	-30.67	N/A	N/A	N/A	
N3020s		low levels C16 + C18 + v low levels odd, even, branched FA s (14-23), C18:1, phytanic acid, traces 3 C18 alkylphenyls, alkanes (27-29)			10.73	-22.98	7.55	
N3148f		large C16 + C18, low levels odd, even, branched FA s (14-26) + MUFA s (18-20), phytanic acid, C18 alkylphenyls, cholesterol related compounds, sitosterol			7.41	-22.51	8.81	
N3148i	FA (C16 + 18) huge + low levels odd, even, branched (9-24), MUFA s (18-20), trace MAGs + TAGs	large C16 + C18, v low levels odd, even, branched FA s (14-30) + MUFA s (18-24)	-28.21	-27.92	N/A	N/A	N/A	

	(?), cholesterol + related compounds, sitosterol							
N3175e	FA + sterols + wax (low levels)	odd, even, branched FA s (14-30), high C24:0, C18:1, low level series odd alkanes (23-31) - C27 & C29 dominant	N/A	N/A	N/A	N/A	N/A	
N3201i	low levels FA s (9-28), C18:1, odd alkanes (25-29), even alcohols (22-32), cholesterol, β -sitosterol, 3x wax esters (too small to identify which)	odd, even, branched FA s (14-30), high C24:0, MUFA s (16-18), C18:2, series odd alkanes (23-29) - C27 & C29 dominant	N/A	N/A	N/A	N/A	N/A	
N3201s		odd, even, branched FA s (14-30), C18:1, series dioic acids (16-23)?, HFA s??, cholesterol related compounds, β -amyrin, β -sitosterol, friedalenone	too little lipid to measure	N/A	12.16	-26.59	8.40	
N3252i		low levels odd, even, branched FA s (12-30), high levels C29 and C27 alkanes, huge amounts	too little lipid to measure	N/A	N/A	N/A	N/A	

		phthalates						
N3304f	C29 alkane + traces alkanes (25-35), traces cholesterol and related compounds, v low levels C16:0 + C18:0	very small traces C16:0 and C18:0	too little lipid to measure	N/A	12.87	-22.91	7.19	
N3305e	FA + cholesterol + wax?? (v low levels)	odd, even, branched FA s (14-30), MUFA s (16-20), C29 alkane	N/A	N/A	N/A	N/A	N/A	
N3305f	moderate abundances C16:0, C18:0, C14:0, C29 alkane, traces range odd, even, branched FA s (9-22), MUFA s (16-20), C18:2, TMTD?, phytanic acid, C18 alkylphenyls, range alkanes (20-31), cholesterol, hydrocinnamic acid	low levels odd, even, branched FA s (14-28), MUFA s (18-22), C18:1, C18:2, phytanic acid, traces C18 alkylphenyls, cholesterol and related compounds, alkanes (27-29)		N/A	14.25	-24.19	8.28	

N3305i	FA + cholesterol + wax (low levels) - greater abundance than exterior, β -sitosterol	v low levels odd, even, branched FA s(16-24), C18:1, C27 and C29 alkanes (C29 dominant)	-27.51	-27.82	N/A	N/A	N/A
N3377f		C16 and C18, traces odd, even, branched FA s (12-28), MUFA s (16-18), TMTD, phytanic acid, C16, C18 and C20 alkylphenyls, phthalates	-29.8	-34.3	9.75	-25.04	9.19
N3377i		high levels C16:0 and C18:0, relatively high C17:0, low levels range of odd, even, branched FA s(12-30), MUFA s (16-20), C18:2, phytanic acid, 2 C18 alkylphenyls, high levels phthalates	-30.7	-34.3	N/A	N/A	N/A
N338i	moderate abundances C16:0, C18:0, traces series odd, even, branched FA s (8-26), MUFA s (16-26), HFA (10-C18), cholesterol related	range odd, even, branched FA s (12-30), MUFA s (16-26)	-22.86	-22.87	N/A	N/A	N/A

	compounds							
N629f		v. low levels C16 & C18, traces odd, even, branched FA s (15-26), MUFA s (16-24), phytanic acid, nonacosane, cholesterol related compounds	too little lipid to measure	N/A	7.31	-20.56	9.25	
N629i	FA + sterols	odd, even, branched FA s (10-24), MUFA s (16-24), C18:2, phytanic acid (?), traces of two C18 alkylphenyls, cholesterol + degradation products	-22.86	-22.72	N/A	N/A	N/A	
N99i		range odd, even branched FA s (12-30), C18:1, traces cholesterol related compounds, alkanes (27 & 29), C9 diacid, lindane, TMTD?, phytanic?	-26.4	-27.3	N/A	N/A	N/A	

Neustadt analysis record continued

Sample	Results	Results	$\delta^{13}\text{C}_{16:0}$	$\delta^{13}\text{C}_{18:0}$	C/N	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
N1199i		odd, even, branched FA s (12-32), C18:1, C18:2, C18 oxo, phytanic acid, cholesterol related compounds	-28.08	-33.09	N/A	N/A	N/A
N1457f		low levels C16 & C18, traces C14, C17 & C18:1	too little lipid to measure		7.70	-25.73	5.07
N1457i		range odd, even, branched FA s (12-30), traces C18:1, C16:1, C20:1?, C18:2, relatively high C17:0, cholesterol related compounds, trace C9 diacid	-27.33	-33.19	N/A	N/A	N/A
N1494f		C16 & C18, C18:1 traces range odd, even, branched FA s (14-24), phytanic acid, C18 alkylphenyls	-21.26	-22.41	8.15	-17.76	9.76
N1494i	range odd, even, branched FA s (6-34), MUFA s (16-24), trans C16:1 & C18:1, diacids (8-10), traces HFA (9,10-diC18), glycerol, ketones (29-35), even alcohols (24-32), C29 alkane, C18, C20, C22 alkylphenyls?, cholesterol	range odd, even, branched FA s (10-32), MUFA s, (16-24), PUFA s (18:2, 20:2) C9 & C10 diacids, phytanic acid, TMTD, C18, C20, C22 alkylphenyls, traces ketones (33,35)	-19.24	-19.53	N/A	N/A	N/A

N1495f		traces C16, C18:0, C18:1, C18:2	too little lipid to measure		13.10	-24.76	11.84
N1495i		low levels odd, even, branched FA s (14-24), MUFA s (18-22), phytanic acid, C31 & C33 ketones?	too little lipid to measure		N/A	N/A	N/A
N177i		low levels C16 and C18, traces C14, C15, C17, C18:1, lindane	too little lipid to measure		N/A	N/A	N/A
N1903f		traces odd, even FA s (16-22), C18:1	too little lipid to measure		6.60	-26.65	3.06
N1903i		low levels C16 + C18, traces FA s (14-30), traces MUFA s (18-20), traces cholesterol related compounds, traces alkanes, phthalates	too little lipid to measure		N/A	N/A	N/A
N1908i		series odd, even, branched FA s (12-34), MUFA s (16, 18, 20?, 24?), C18:2, phytanic acid, cholesterol related compounds, trace C29 alkane	-28.26	-33.61	N/A	N/A	N/A
N2003i		very low levels even FA s (16-24), odd FA s (15-17), TAGs ?, traces alkanes	too little lipid to measure		N/A	N/A	N/A
N2045i		low levels C16 + C18, traces series odd, even, branched FA s (14-26), MUFAs (16-18), possible TAGs	too little lipid to measure		N/A	N/A	N/A

N21i		low levels C16 + C18 + p, traces odd, even, FA s (14-26), MUFA s (16-18), C18:2	too little lipid to measure		N/A	N/A	N/A
N2162f		traces C16 & C18	too little lipid to measure		7.80	-20.23	7.67
N2162i	high levels C14, C16, C18 and C20:1, range odd, even, branched FA s (8-28), MUFA s (14-22, including 17:1 and 19:1), diacids (4-11), phytanic acid, MAG s (16, 18), DAG s (14, 16, 18), cholesterol and related compounds, ketones (29-33)	range odd, even, branched FA s (11-30), diacids (8-11), MUFA s (16-26 including 19), PUFA s (18-20, poss 22), low levels cholesterol related compounds, ketones (31, 33)	-22.54	-26.59	N/A	N/A	N/A
N217f		C16 & C18, traces odd, even, branched FA s (14-26), C18:1, C18:2, phytanic, C18 alkylphenyls	-28.60	-33.00	10.85	-26.58	5.78
N217i	high levels C14, C16 and C18, range odd, even, branched FA s (8-28), MUFA s (16-18), C18:2, C9 diacid, phytanic acid, C18 alkylphenyls, HFA s, MAG s (16, 18), cholesterol and related compounds, β -sitosterol, ketones (31-35)	series odd, even, branched FA s (13-30), MUFA s (16-18), C18:2, cholesterol related compounds, TAGs, phytanic acid, C18 alkylphenyls, ketones (31, 33, 35)	-29.26	-32.51	N/A	N/A	N/A
N22f		high C18, low C16	too little lipid to measure		10.65	-26.58	5.78

N22i	high levels C16 + C18, moderate levels, C14 + C17, low abundances range odd, even, branched FA s (8-28), MUFA s (16, 18), C18:2, MAG s (14-18), DAG s (2x14-2x18), cholesterol and related compounds, hydroxy-methyl-lycopodanone, ketones (33, 35), trace phytanic acid	high levels C16 + C18, lower level C14, range odd, even, branched FA s, (12-30), C9 & C11 diacids, MUFA s (16-18), C18:2, phytanic, TMTD?, traces lindane, furanone, cholesterol related compounds, traces ketones (31-35)	-30.56	-34.46	N/A	N/A	N/A
N2448f			not sent as full of birch bark tar		109.45	-26.96	4.62
N2448i		range odd, even branched FA s (9-24), dioic acids (9-10+22), compounds related to lupenone, betulin and hopanols	not sent as full of birch bark tar		N/A	N/A	N/A
N2448e		high levels phthalates, low levels C16:0 and C18:0, traces odd and even FA s (12-21), trace C18:1, trace ursenol	too little lipid to measure		N/A	N/A	N/A
N2449i		Series odd, even, branched FA s (12-32), MUFA s (16, 18, 20?, 24?), C18:2, diacids (8-11), high C17 and C14, oxo-FA s (14, 16, 18), phytanic acid, trace cholesterol related compounds	-28.20	-32.80	N/A	N/A	N/A

N2451f	low levels C16 and C18, traces C14:0, C15:0, C17:0, C18:1, cholesterol	low levels C18, trace C16	too little lipid to measure		13.80	-25.64	4.89
N2451i		High abundances FA s - odd, even, branched (12-32) (16 & 18 v abundant), MUFA s (16-24), C18:2, phytanic acid, TMTD, traces C18 alkylphenyl fatty acids, diacids (9 & 11), phthalates, traces cholesterol related compounds, possible TAG s	-27.73	-32.83	N/A	N/A	N/A
N2631f	low levels C16 and C18, v small traces C14:0, C15:0, C17:0, C18:1, cholesterol	low levels C16 & C18, traces C17-C22, MUFA s (18-22), phytanic acid, 2x C18 alkylphenyls	too little lipid to measure		9.35	-19.54	10.70
N2635f		low levels C16 and C18, traces odd, even, branched FA s (14-22), MUFA s (18-22) (rel high abundances), phytanic acid	too little lipid to measure		8.60	-19.24	10.16
N2641i	range odd, even, branched FA s (6-32), MUFA s (16-24), trans C16:1 & C18:1, diacids (5-10), phytanic acid, glycerol, cholesterol and related products	range odd, even, branched FA s (11-32), MUFA s (16-26), C18:2, diacids (8-12), TMTD?, phytanic, traces C18, C20 and poss. C22 alkylphenyls	-22.46	-21.51	N/A	N/A	N/A

N2784i		high abundance C16, C18 & p, range odd, even, branched FA s (12-32), MUFA s (16-24), diacids (9, 10), phytanic acid, TMTD, lindane, trace cholesterol related compounds	-19.91	-21.41	N/A	N/A	N/A
N2804i	range odd, even, branched FA s (6-26), MUFA s (16-22), diacids (4-10), phytanic acid, traces C16, C18, C20 and C22 alkylphenyls, HFA (9,10-diC18), traces cholesterol, traces ketones (31, 33)	range odd, even, branched FA s (12-30), MUFA s (16-24), diacids (9-10), TMTD, phytanic, C16, C18, C20 and C22 alkylphenyls, traces ketones (31, 33)	-25.01	-27.86	N/A	N/A	N/A
N3037i		range odd, even, branched FA s (12-30), MUFA s (16-24), diacids (9 & 11), trace C18:2, alkanes (27 and 29), traces cholesterol related compounds	-28.46	-34.39	N/A	N/A	N/A
N3233f	low levels C16 and C18, traces odd even, branched FA s (12-24), MUFA s (16, 18), cholesterol, series alkanes (27-30), dehydroabiestic acid, MAGs/DAGs, C18 alkylphenyls	low levels C16 and C18, traces C14, C15, C17, C18:1, C18 alkylphenyls	too little lipid to measure		15.10	-23.06	10.48

N3233i	range odd, even, branched FA s (12-18), traces odd, even FA s (7-24), MUFA s (16-22), phytanic acid, traces C18 alkylphenyls, cholesterol and related compounds, glycerol, traces HFA s (9,10C18, ?), possible acyl glycerols	range odd, even, branched FA s (12-30), MUFA s (16-22), C18:2, TMTD, phytanic, 2x C18 + 4x C20 alkylphenyls	-19.71	-22.01	N/A	N/A	N/A
N3309f	low levels C16, C18 and cholesterol, traces odd, even, branched FA s (8-20), MUFA s (16-20), C18:2, hydrocinnamic acid, cholesterol related compounds	C16 and C18, traces odd, even, branched FA s (14-24), MUFA s (16-18), cholestadiene, traces C18 alkylphenyls + possible traces C20 alkylphenyls	-20.01	-20.66	9.70	-21.23	8.62
N3309i	range odd, even, branched FA s (7-24), MUFA s (16-24, including odd), C18:2, phytanic acid, TMTD?, traces C18 and C20 alkylphenyls, 9,10dihydroxyC18, DAG s, MAG s, glycerol, cholesterol and related compounds, ketones (29-33)	range of odd, even, branched FA s (12-30), MUFA s (odd and even 16-24), PUFA s (18-20), diacids (9-11), trace alkane (29), TMTD, traces C16, C18 and C20 alkylphenyls, ketones (31, 33, trace 35)	-20.00	-20.40	N/A	N/A	N/A
N3406f		C16 and C18, traces C14, C15, C17, C20. C22, C18:1, traces C18 alkylphenyls	-25.61	-30.06	9.90	-23.53	5.46

N3406i		range odd, even, branched FA s (12-28), MUFA s (16-22), C18:2, diacids (9-11), traces phytanic?, 6x C18 alkylphenyls, cholesterol related compounds	-26.50	-30.80	N/A	N/A	N/A
N366id		traces C16, C18 and C18:1, cedrandiol, lupenone, other related but unidentified compounds	N/A	N/A	N/A	N/A	N/A
N366i		low levels odd and even FA s (14-22). MUFA s (16-22) (18 + 20 rel abundant cf saturated), TMTD?, much higher levels of series of compounds related to lupenol, most unidentified	N/A	N/A	N/A	N/A	N/A
N385i		range odd, even, branched, oxo FA s (12-30), MUFA s (18-24), traces of cholesterol related compounds	-26.86	-32.36	N/A	N/A	N/A
N387f		C16 and C18, traces odd, even, branched FA s (14-22), C18:1, phytanic acid, 6x C18 alkylphenyls	-25.61	-26.51	11.30	-23.97	7.63
N421i		range odd, even, branched FA s (12-30), MUFA s (16-18), phthalates, C29 alkane, traces of cholesterol related compounds	-26.80	-31.90	N/A	N/A	N/A

KML 50.5/78.5:2i		C16 & C18, traces odd, even, branched FA s (8-30), diacids (6-9), C18:1. C18:2, oxo FA s, cholesterol related compounds , lindane	-29.78	-32.42	N/A	N/A	N/A		
KML 50.0/78.5:2s		low levels C16 & C18, traces odd, even, branched FA s (14-24), MUFA s (18 & 20), C18:2, phytanic acid, C18 & C20 alkyphenyls	too little lipid to measure		36.76	-27.00	11.40		
KML 49.5/75.5:4i		low levels C16 & C18, traces odd, even, branched FA s (14-26), phytanic acid	too little lipid to measure		N/A	N/A	N/A		
KML 49.5/75.5:4f		traces C16:0 & C18:0, tiny traces C14:0, C17:0, C20:0, branched C17:0, C18:1, phytanic acid	too little lipid to measure		13.62	-27.82	8.99		
KML 50.0/75.5:8i		C16 & C18, traces odd, even, branched FA s (12-30), C18:1. C18:2	-30.38	-33.72	N/A	N/A	N/A		
KML 50.0/75.5:8s		low levels C16:0 & C18:0, traces, C14:0, C15:0, C17:0, C20:0,	too little lipid to measure		10.43	-27.17	10.65		

		C18:1, <i>No Residue</i>							
KML 50.0/76.0:8i		C16 & C18, traces odd, even, branched FA s (12-30), MUFA s (16-18). C18:2, cholesterol related compounds including plant sterol? , lindane?, traces possible ketones	-29.88	-33.42	N/A	N/A	N/A		
KML 50.0/76.0:8f		low abundances C16:0 & C18:0, traces odd, even, branched FA s (14-20), C18:1, phytanic acid, C18 alkylphenyls	too little lipid to measure						
KML 49.5/76.5:9i		C16 & C18, traces odd, even, branched FA s (14-24), C18:1, C18:2	-30.18	-30.62	N/A	N/A	N/A		
KML 49.5/76.5:9f		traces C16:0 & C18:0, tiny traces C17:0, C20:0, C24:0, C18:1, cholesterol related compound - No Residue	too little lipid to measure		7.19	-28.57	8.38		

KML 50.0/74.0:9i		C16 & C18, traces odd, even, branched FA s (14-28), C18:1, C18:2	-30.08	-31.22	N/A	N/A	N/A		
KML 50.0/74.0:9f		traces C16:0 & C18:0	too little lipid to measure		6.49	-28.44	8.40		
KML 50.0/77.5:10i		C16 & C18, traces odd, even FA s (12-26), C18:1, C18:2, naphthobornene + 2 unknowns	-29.38	-30.42	N/A	N/A	N/A		
KML 50.0/77.5:10f		low levels C16:0 & C18:0, traces odd, even, branched FA s (14-24), MUFA s (16-20), phytanic acid, C18 & C20 alkylphenyls, cholesterol related compounds	too little lipid to measure		6.85	-26.49	10.11		
KML 50.0/78.5:11i		high levels C16 & C18, series odd, even, branched FA s (12-30), alkanes (25-33) max at C29, cholesterol related compounds, MUFA s (16 & 18), C18:2, traces C18 alkylphenyls	-29.08	-33.22	N/A	N/A	N/A		
KML 50.0/78.5:11s		traces C16:0 & C18:0, tiny traces C14:0, C17:0, C20:0, C24:0,	too little lipid to measure		11.88	-27.38	5.78		

		C18:1 - No Residue							
KML 50.0/74.0:12i		range odd, even, branched FA s (11-30), MUFA s (16-22), C18:2, TMTD, phytanic acid, C16, C18, C20, trace C22 alkylphenyls, cholesterol related compounds, traces alkanes (25-29), naphthalene and fluorenone related compounds, ketones (31-35)	-29.68	-31.42	N/A	N/A	N/A		
KML 50.0/74.0:12f		traces C16:0 & C18:0, tiny traces C14:0, C17:0, C20:0, branched C17:0, C18:1, phytanic acid, C18, C20 alkylphenyls			6.97	-29.49	8.68		
KML 49.5/7.70:18i		range of odd, even, branched FA s (9-34) (14 and 17 relatively high), diacids (8, 9), MUFA s (16-20), C18:2, phytanic acid, cholesterol related compounds, trace lindane, traces ketones (33,	-29.88	-33.72	N/A	N/A	N/A		

		35)							
KML 49.5/75.5:20i	range odd, even, branched FA s (7-32), MUFA s (16-24), phytanic acid, cholesterol related compounds , ketones (29-35), MAG s (C14-C20), DAG s, trace 9,10 dihydroxyC18:0, lindane	v rich in lipid; range odd, even, branched, oxo FA s (9-34), MUFA s (16-24), phytanic acid, traces diacids (8-9), cholesterol related compounds , ketones (29-35)	-30.71	-34.36	N/A	N/A	N/A		range odd, even, branched FA s (8-28), MUFA s (14-24), C18:2, diacids (8-10), phytanic acid, HFA s (10-C16, 10-C18, 9,10-diC18, 11,12-diC18), traces of cholesterol related compounds
KML 49.5/77.0:26i		range odd, even, branched FA s (9-29), MUFA s (16-24), C18:2, trace TMTD, trace phytanic acid, traces 3xC18 alkylphenyls, cholesterol related compounds , traces alkanes 27 & 29), trace lindane	-30.33	-31.67	N/A	N/A	N/A		

KML 49.5/78.0:49i		<p>high abundance C16:0, C18:0, C14:0, C17:0, range odd, even, branched FA s (10- 30), MUFA s (16- 24, 26?), C18:2, TMTD, phytanic acid, C18, C20, C22(?) alkylphenyls, alkanes (25-35, peak at 29), cholesterol and related compounds, dihydro-5- tetramethyl-2(3H)- furanone, olean-12- ene, lup-20(29)-en- 3-one</p>	-29.48	-33.32	N/A	N/A	N/A		
KML 49.5/78.0:49f(1)		<p>low levels C16:0 & C18:0, traces odd, even FA s (14-28), branched C17:0, C18:1, alkane (C29), cholesterol related compounds</p>			8.35	-28.14	7.31		
KML 49.5/78.0:49F(2)		<p>low levels C16:0 & C18:0, traces range of odd, even FA s (14-24), alkane (C29), cholesterol related</p>			9.28	-28.27	7.91		

		compounds							
KML 49.5/77.5:80i		high abundance C16:0, C18:0, range odd, even, branched FA s (12-30), MUFA s (16-20), C18:2, alkanes (25-36), cholesterol related compounds , lindane	-29.23	-31.02	N/A	N/A	N/A		
KML 49.5/77.5:80f	low levels C16:0 & C18:0, traces odd, even, branched FA s (14-26), long chain alcohols (26 & 28), cholesterol	traces C16:0, C18:0. C22:0, C24:0, C26:0 - <i>No Residue</i>	too little lipid to measure		8.43	-28.85	7.33		
KML 50.0/75.5:84i		high abundance C16:0, C18:0, C14:0, range odd, even, branched FA s (12-30), MUFA s (16-24?), phytanic acid, alkanes (25-36), lindane	-30.88	-33.02	N/A	N/A	N/A		
KML 50.0/75.5:84f		moderate abundances C16:0, C18:0, traces range			6.92	-27.47	7.67		

		odd, even, branched FA s (14-22), MUFA s (16-18), C18:2							
KML 50.0/76.0:98i		high abundance C16:0, C18:0, C14:0, range odd, even, branched FA s (10-34), MUFA s (16-20?), C18:2, phytanic acid, series alkanes (25-36), cholesterol related compounds	-28.03	-30.52	N/A	N/A	N/A		
KML 50.0/76.0:98f		moderate abundances C16:0 & C18:0, traces C14:0, C15:0, C17:0, branched C17:0, C19:0, C20:0, C22:0			14.41	-26.34	7.66		
KML 49.5/77.0:113i		high abundances C16:0, C18:0. C14:0, range odd, even, branched FA s (10-30), MUFA s (16-20), cholesterol related compounds , DAG s?, lindane, 7-oxodehydroabietic acid	-29.78	-32.52	N/A	N/A	N/A		

KML 49.5/77.0:113f		low abundances C16:0 & C18:0, traces odd, even, branched FA s (14-20), C18:1, C18:2			8.26	-29.61	7.27		
KML 49.5/74.0:127i		moderate abundances C16:0, C18:0, traces range odd, even, branched FA s (12-30), MUFA s (16-18), C18:2, cholesterol related compounds , alkanes (29-35)	-28.98	-32.02	N/A	N/A	N/A		
KML 49.5/74.0:127f		traces C16:0 & C18:0 - <i>No Residue</i>	too little lipid to measure		6.42	-24.03	7.84		
KML 50.0/77.0:155i		range odd, even, branched FA s (9-32), MUFA s (16-26), C18:2, traces diacids (9, 11), cholesterol related compounds , lindane	-29.88	-33.62	N/A	N/A	N/A		
KML Peter's Pot		series odd, even, branched FA s (8-34, strange distribution), C18:1, phytanic acid, cholesterol related compounds , series alkanes (15-29, no odd/even)	-30.48	-33.82	N/A	N/A	N/A		

		preference, much unresolved)						
--	--	------------------------------	--	--	--	--	--	--

Stenø analysis record

Sample	GC Results 1	GC-MS Results1	$\delta^{13}\text{C}_{16:0}$	$\delta^{13}\text{C}_{18:0}$	C/N	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
ST x087 007i	moderate levels C16:0 + C18:0, traces range odd, even, branched FA s (12-20), MUFA s (16 & 18), C18:2, 1-C16 MAG, cholesterol and related compounds, β -sitosterol, β -amyirin, dehydroabiestic acid?	moderate levels C16:0 + C18:0, traces odd, even FA s (14-24), C18:1, C18:2, alkanes (18, 19, 20)					
ST x087 007f		traces C16:0 + C18:0, tiny traces C18:1, C17:0, branched C17:0, C20:0, C22:0, C24:0			-28.57	6.31	7.61

ST x082 015i	abundant C16:0 + C18:0, traces range odd, even, branched FA s (10?-22), MUFA a (16 & 18), phytanic acid, C18 alkylphenyls, MAG s (1-16, 1-18), DAG s (1,3-14,16; 1,2-16,16; 1,3-16,16; 1,2-16,18), ketones, (odd, 31-35), cholesterol and related compounds, β -sitosterol, β -amyirin	abundant C16:0 + C18:0, traces odd, even, branched FA s (12-26), MUFA s (16 & 18), phytanic acid, C18 alkylphenyls, series alkanes (odd preference, 25-31, max at 29)					
ST x082 015e	abundant C16:0 + C18:0, traces range odd, even, branched FA s (12-24), MUFA s (16 & 18), phytanic acid, MAG s (1-14, 2-14, 1-15, 1-16, 2-16, 1-17, 2-17, 1-18, 2-18), DAGs (1,3-14,16; 1,2-16,16; 1,3-16,16; 1,2-16,18; 1,3-16,18), long chain, even alcohols (22-28), alkanes (odd, 25-29, max 29), alkenes? (16-24), cholesterol and related compounds, β -sitosterol, β -amyirin	range odd, even, branched FA s (12-24), MUFA s (16-20), C18:2, series alkanes (13-29), tetra-, penta-, hexa- and heptadecanitriles, phytanic acid?, C18 alkylphenyls, possibly C16 & C20 alkylphenyls					
ST x082 015f		low levels C16:0 & C18:0, traces C20:0, C17:0, branched C17:0			-28.28	7.27	8.53

ST x082 015s	C16:0 & C18:0, traces odd, even FA s (14-18), C18:1, 1,4 benzene diacid, benzoic acid, phthalimide					-27.40	11.78	20.60
ST x082 029i	C16:0 & C18:0, traces odd, even FA s (14-18), C18:1, C18:2, 1,4 benzene diacid, benzoic acid, phthalimide	traces C16:0 + C18:0						
ST x082 029f		no lipid				-28.41	7.66	12.41
ST x095 039i	range odd, even, branched FA s (8-28), MUFA s (14-18), C18:2, glycerol, MAG s (1-14, 2-14, 1-15, 1-16, 2-16, 1-17, 2-17, 1-18:1, 1-18, 2-18), DAG s (1,2-14,16; 1,3-14,16; 1,2-16,16; 1,3-16,16; 1,2-16,18; 1,3-16,18), cholesterol and related compounds, β -sitosterol, alkanes (27 & 29, 29 dominant)	range odd, even, branched FA s (9-28), MUFA s (16-18), C18:2, C9 diacid, alkanes (27 & 29, max 29), cholesterol related compounds						
ST x095 039f	moderate levels C16:0 + C18:0, traces range odd, even FA s (14-18), C18:1, C29 alkane					-26.47	7.69	10.52
ST x095 039s		low levels C16: & C18:0, traces odd, even, branched FA s (15-20), alkanes (C27 & C29), phytanic acid						

ST x095 047f	C16:0 & C18:0, traces C9:0 & C12:0, 1,4-benzene diacid, benzoic acid, alcohols (16 & 18)	low levels C16:0 & C18:0							
ST x095 047s		no lipid							
ST x177 091i	moderate abundances C16:0 + C18:0, traces range odd, even, branched FA s (12-18), MUFA s (16 & 18), C18:2, range alkanes (18-29), range alkenes (19-23), cholesterol and related compounds, MAG s (1-16, 1-18), even alcohols (14-24)	moderate levels C16:0 + C18:0, traces odd, even, branched FA s (12-24), MUFA s (16 & 18), C18:2, alkanes (16-19, odd 25-29, max 29), cholestanone, oleonitrile							
ST x145 092i	range odd, even, branched FA s (10-28), MUFA s (14-18), MAG s (1-16, 1-18:1, 1-18), TMTD(?), phytanic acid, C18 & C20 alkylphenyls, cholesterol and related compounds, β -sitosterol, even alcohols (18-26), C29 alkane, ketones (31-35)	range odd, even, branched FA s (9-30), MUFA s (16 & 18), C18:2, phytanic acid, TMTD, C16, C18 & C20 alkylphenyls, ketones (31 & 33), trace of cholesterol related compounds							

ST x036 096i	range odd, even, branched FA s (9-28), MUFA s (16-24, <i>including</i> 17, 19, 21), phytanic acid, MAG s (1-14, 1-16, 1-18), DAG s (1,2-14,14; 1,2-14,16; 1,3-14,16; 1,2-16,16; 1,3-16,16), cholesterol and related compounds, stigmasterol, β -sitosterol, range alkanes (16-19), C27 & C29 alkanes	range odd, even, branched FA s (12-28), MUFA s (16-24?, incl. 17), C18:2, phytanic acid, partially unseparated range odd, even, branched, cyclic alkanes (15-19 identified)					
ST x036 096f					-30.44	8.25	9.03
ST x017 177i		range odd, even, branched FA s (12-28), MUFA s (16-22), C18:2, phytanic acid, C16 & C18 alkylphenyls, cholesterol related compounds, range alkanes (16-18) + C29					
ST x017 177e		range odd, even, branched FA s (12-26), MUFA s (16-20), phytanic acid, C29 alkane					
ST x017 177s					-27.28	10.89	15.43
ST x019 193i							

ST x019 193e	range odd, even, branched FA s (9-26), MUFA s (16-20), diacids (8-11), TMTD, phytanic acid, C18 alkylphenyls, HFA s (10-C18; 9,10-diC16; 9,10-diC18), MAG s (1-14, 1-15, 1-16, 1-17, 1-18), DAG s (1,2-14,16; 1,2-14,16; 1,2-16,16; 1,3-16,16; 1,2-16,18; 1,3-16,18), v. high abundance cholesterol and degradation products, β -sitosterol						
ST x019 193f					-28.11	7.52	7.52
ST x004 201i	range odd, even, branched FA s (12-28), MUFA s (16-20), cholesterol and related compounds						
ST x004 201f					-29.20	6.72	8.68
ST x004 205f	traces C16:0 & C18:0				-27.38	7.19	10.82
ST x018 213f	low abundances C16:0 & C18:0, traces odd, even, branched FA s (14-26), C18:1, cholesterol related compounds, alkanes (C29 + others unidentified)				-27.50	6.11	7.61

ST x018 215f	C16:0 & C18:0, traces odd, even, branched FA s (14-26), MUFA s (16 & 18) [NB C16:0 overlaps w contamination from vial lid]				-28.07	5.85	8.38
ST x028 217i	range odd, even, branched FA s (12-26), MUFA s (16-20), phytanic acid, C18 alkylphenyls						
ST x028 217f	Low abundances C16:0 & C18:0, traces odd, even, branched FA s (14-22), C18:1 [NB C16:0 overlaps w contamination from vial lid]				-28.22	8.05	10.14
ST x026 222f	low abundances C16:0 & C18:0, traces C18:1 & C17:0 [NB C16:0 overlaps w contamination from vial lid]				-27.65	7.87	7.04
St x005 225f	low abundances C16:0 & C18:0, trace C17:0 [NB C16:0 overlaps w contamination from vial lid]				-28.04	8.51	7.05
ST x003 176s					-27.37	11.01	16.56

Wangels analysis record

Sample	GC Results 1	GC-MS Results 1	$\delta^{13}\text{C}_{16:0}$	$\delta^{13}\text{C}_{18:0}$	C/N	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
KE1i		range odd, even, branched, oxy FA s (9-32), C18:1, range alkanes (16-31) (bimodal), cholesterol related compounds	-29.11	-33.11	N/A	N/A	N/A
KE11i		range odd, even, branched, oxy FA s (9-28), diacids (6-9), C18:1, range alkanes (16-31) (bimodal), vanillin?	-28.56	-33.06	N/A	N/A	N/A
KE11e		C16:0, C18:0, traces range odd, even, branched FA s (10-30), range alkanes (16-33), furanones?	-29.76	-33.81	N/A	N/A	N/A
KE34i	range odd, even, branched FA s (9-28), MUFA s (16-20), traces MAG s, acylglycerols, glycerol, phytanic acid, 9,10-dihydroxyC18:0, possibly identified C18 and C20 alkylphenyls TMS, traces cholesterol related compounds, ketones (odd, 29-35)	high C16:0, C18:0, moderate C14:0, C17:0, traces range odd, even, branched FA s (10-30), MUFA s (16-20), C18:2, phytanic acid, TMTD??, C16(?), C18, C20, C22 alkylphenyls, ketones (31-35)	-26.86	-29.71	N/A	N/A	N/A
KE34f		low abundances C16:0 & C18:0, traces odd, even FA s (14-20), C18:1, phytanic acid, TMTD, C18 alkylphenyls, minute traces 1x C16 and 1x C20 alkylphenyls, ketone (31)	too little lipid to send		10.25	-22.59	8.34

KE36i		moderate C16:0, C18:0, low levels odd, even FA s (12-26), MUFA s (16 & 18), traces of range of alkanes (18-28)	too little lipid to send		N/A	N/A	N/A
KE77i		low abundances C16:0, C18:0, traces odd, even FA s (12-28), range alkanes (17-30), heavily contaminated with phthalates	too little lipid to send		N/A	N/A	N/A
KE77e		low abundances C16:0, C18:0, traces odd, even FA s (14-26), range alkanes (18-33), heavily contaminated with phthalates	too little lipid to send		N/A	N/A	N/A
KE103i		low abundances C16:0, C18:0, C22:0, C24:0, traces odd, even FA s (14-28), MUFA s (16 & 18), traces alkanes (17-30), heavily contaminated with phthalates, squalene??	too little lipid to send		N/A	N/A	N/A
KE103e		low abundances C16:0 & C18:0, traces odd, even FA s (14-28), MUFA s (16 & 18), minute traces alkanes (17-20), heavily contaminated with phthalates	-28.46	-31.86	N/A	N/A	N/A
KE114i		v. rich in lipid, range odd, even, branched, oxo FA s (10-30), C18:1, traces C18:2, phytanic acid, diacids (8-9), alkanes (15-19, 27, 29), cholesterol related compounds, high levels ketones (29-37, odd dominant)	-29.21	-32.61	N/A	N/A	N/A

KE126i		v. rich in lipid, range odd, even, branched, oxo FA s (10-30), C18:1, diacids (8-10, 18-22), range alkanes straight chain, branched, cyclo (16-23), betulin, lupenone, lupeol, thunbergol?, range of other related ring compounds with prominent mass fragment at 189	too little lipid to send		N/A	N/A	N/A
KE130i			too little lipid to send		N/A	N/A	N/A
KE130d	moderate abundances C16 & C18:0, traces range odd, even FA s (14-22), diacids (22 & 24), allobetulene, lupenone, lupeol, betulin	N/A	N/A	N/A	N/A	N/A	N/A
KE130f			too little lipid to send		245.62	-27.93	1.22
KE130fd	low abundances C16 & C18, ursenol, allobetulene, lupenone	N/A	N/A	N/A	N/A	N/A	
KE331i		high abundances of C16:0, C18:0, C14:0, low abundances range odd, even, branched FA s (10-34), C18:1, traces C9 diacid, range <i>n</i> - and branched alkanes (16-30) - bimodal about C19 and C29, cholesterol related compounds, trace vanillin	-22.81	-24.86	N/A	N/A	N/A
KE331s		traces C16:0 and C18:0	too little lipid to send		245.60	-23.90	6.60*

KE373i		range odd, even, branched FA s (10-32), MUFA s (16-24), C18:2, traces alkanes including cyclo & branched (14-33), C9 diacid, phytanic acid, 2x C18 alkylphenyls, cholesterol related compounds, traces ketones (33 & 35)	-28.81	-34.11	N/A	N/A	N/A
KE373e		low levels C16:0 and C18:0, traces range odd, even, branched FA s (12-28), MUFA s (16 & 18), trace TMTD, trace C9 diacid, range alkanes (18-33), v high phthalates	too little lipid to send		N/A	N/A	N/A
KE373f		High abundances of C16:0, C18:0, C14:0, low abundances range odd, even, branched FA s (12-26), MUFA s (16-18) C18:2, traces diacids (9 & 11), phytanic acid, C18 alkylphenyls,	-29.21	-34.51	12.38	-28.30	3.60
KE394i		range odd, even, branched FA s (10-36), MUFA s (16-24), C18:2, traces alkanes (16-31), diacids (8&9), cholesterol related compounds, traces ketones (31 & 33)	-28.81	-34.11	N/A	N/A	N/A
KE394e		range odd, even, branched FA s (13-28), C18:1, phytanic acid, traces ketones (31 & 33), dihydrotetradecyl - 2(3H)-furanone, anthracene, series alkanes (17-33)	-27.86	-30.71	N/A	N/A	N/A
KE394s		traces C16:0 and C18:0	too little lipid to send		8.97	-24.87	-1.38

KE426i	low levels odd, even, branched FA s (12-24), MUFA s (16 & 18), high abundances phthalates, benzene diacids, biphenyltetramethyl, traces series alkanes (24-33)	too little lipid to send		N/A	N/A	N/A
KE470i	series odd, even, branched FA s (13-30), MUFA s (18 & 20), cholesterol related compounds , series alkanes 17-31, peak at 29)	-22.36	-24.26	N/A	N/A	N/A
KE485i	series odd, even, branched FA s (10-32), MUFA s (18 & 20), C18:2, diacids (8-11), cholesterol related compounds , ketones (31 & 33), series alkanes (25-35, peak at 29), dihydrotetradecyl - 2(3H)-furanone	-30.51	-33.11	N/A	N/A	N/A
KE485e	series odd, even, branched FA s (12-28), C18:1, series alkanes (branched & straight, 17-35, max at 19, partially unresolved)	-29.76	-32.23	N/A	N/A	N/A
KE485f	traces C16:0, C18:0, C17:0, C18:1, phytanic acid	too little lipid to send		3.52	-25.16	4.60
KE486i	series odd, even, branched FA s (12-30), MUFA s (16 & 18), series alkanes, 16-35, partially unresolved, branched and straight)	-28.36	-32.01	N/A	N/A	N/A

Wangels analysis record

Sample code	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	C/N
-------------	-----------------------	-----------------------	-----

NMA40211F	6.50	-28.08	10.40
NMA40882F	10.36	-30.23	7.78
NMA40882S	9.16	-28.49	11.63
NMA40883F	6.10	-27.39	13.24
NMA40883S	8.79	-27.63	13.70
NMA40884F	9.37	-26.32	7.91
NMA40884S	8.80	-27.17	16.91
NMA40885F	3.79	-25.24	22.87
NMA49818F	8.03	-28.49	7.32
NMA49819F	-0.69	-28.20	87.21